

# Notice of Allowability

Application No.

09/691,054

Examiner

Usha Raman

Applicant(s)

KIM, JIN PIL

Art Unit

2623

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6-29-07.
2. ☒ The allowed claim(s) is/are 1-16.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

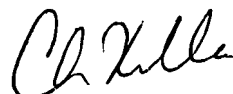
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_



CHRIS KELLEY

SUPERVISORY PATENT EXAMINER

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Replace **Claim 1** with the following:

--1. A receiver for storing information associated with a digital broadcast protocol that comprises:

the receiver configured to receive a version number for a presently transmitted event information table in a transport stream of the digital broadcast that is different from a version number for a previously transmitted event information table, wherein the presently transmitted event information table and the previously transmitted event table have the same packet identification number (PID); and

the receiver configured to receive a second identifier for the presently transmitted event information table, the second identifier being distinct in value from the version number of the presently transmitted event information table and having one of two values, wherein the second identifier having a first value indicates to the receiver that contents of an event information table in a bit stream syntax are shifted and the second identifier having a second value indicates to the receiver that contents of an event information in a bit stream are changed.--

Replace **Claim 6** with the following:

-- 6. A method of broadcasting using a master guide table for a digital broadcast protocol, the method comprising:

(a) preparing, at a transmitting side, a present event information table comprising contents pertaining to a broadcast event;

(b) preparing, at the transmitting side, a master guide table for the digital broadcast protocol, the master guide table including a version number for the present event information table that is different from a version number for a previously transmitted event information table, wherein the present event information table and the previously transmitted event information table have the same packet identification number (PID), and a second identifier of the present event information table, distinct in value from the version number of the present event information table and having one of two values, the second identifier comprising a first value which indicates whether the contents of the present event information table in a bit stream syntax are shifted or a second value which indicates whether the contents of the present event information table in a bit stream syntax are changed;

(c) transmitting the master guide table and the present event information table to a receiving side;

(c) receiving, at the receiving side, the master guide table and the present event information table; and parsing the second identifier and the present event information table; and

(d) selectively updating a database having parsed contents of the previous event information table with the parsed contents of the present event information table in accordance with the parsed second identifier.--

Replace **Claim 9** with the following:

-- 9. The method of claim 8, wherein the bit has a value of "0" when the contents of the present event information table are shifted, and has a value of "1" when the contents of the present event information table are changed.--

Replace **Claim 13** with the following:

--13. In a digital television receiver, a method of providing an electronic program guide, comprising:

receiving a digital broadcast signal comprising a master guide table and an event information table; the master guide table comprising a version number for a present event information table transmitted in a transport stream of the digital broadcast that is different from a version number for a previously transmitted event information table, wherein the present event information table and the previously transmitted event information table have the same packet identification number (PID) and a second identifier for the present event information table, distinct in value from the version number for the present event information table and having one of two values, wherein a first value of the second identifier indicates whether the contents of the event information table in a bit stream syntax are shifted and a second value of the second identifier indicates whether the contents of the event information table in a bit stream syntax are changed;

parsing the master guide table;  
retrieving the second identifier from the parsed master guide table indicating whether contents of the event information table are actually changed or only shifted;  
and

in accordance with the parsed second identifier, parsing the event information table and selectively updating a database for the electronic program guide with the parsed contents of the event information.--

Replace **Claim 16** with the following:

-- 16. The method of claim 13, wherein the bit has a value of "0" when the contents of the present event information table are shifted, and has a value of "1" when the contents of the present event information table are changed.--

Authorization for this examiner's amendment was given in a telephone interview with Yong Choi on September 13<sup>th</sup>, 2007.

### **REASONS FOR ALLOWANCE**

The following is an examiner's statement of reasons for allowance

The prior art of record shows a method of updating a particular table (such as an event information table) in the event a version update for that table is flagged. The prior art therefore shows that a table is always updated when the version number changes. For example, when updating an event information table after a time shift, the version number of the current event information table is compared against the version number of the previously transmitted event information table, wherein both the event information tables have the same PID, and when a version change is detected, the event

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information table associated that PID is updated. The prior art of record does now show the step of selectively updating a table even when the version number changes, therefore fails to show the step of, "a second identifier, being distinct in value from the version number of the presently transmitted event information table, and having one of two values, wherein the second identifier having a first value indicates to the receiver that contents of an event information table in a bit stream syntax are shifted and the second identifier having a second value indicates to the receiver that contents of an event information in a bit stream are changed". For the reasons stated above, claims 1-16 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Usha Raman whose telephone number is (571) 272-7380. The examiner can normally be reached on Mon-Fri: 9am-6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Kelley can be reached on (571) 272-7331. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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